

COSMHYC FCH JU project Online Final Event

Wednesday, 24th of February 2021, 14:00-16:00 (CET)

Compression of Hydrogen at Refuelling Stations is a key technical & economic challenge for the deployment of Hydrogen Mobility. Within the COSMHYC project, funded by FCH JU, an innovative hybrid compression solution improving performances and lowering costs of hydrogen compression is developed and tested. The partners EIFER (Germany), NEL Hydrogen (Denmark), MAHYTEC (France), LBST (Germany) and Steinbeis 2i GmbH (Germany) joined their efforts to combine mechanical compression and metal hydride compression, leveraging the advantages of both technologies. Currently the prototype is tested under real conditions in a comprehensive way.

Program of the COSMHYC Online Final Event

The event will be introduced by Pietro Caloprisco, project officer at FCH JU, who will give an overview of the challenges related to H2 compression. David Colomar (European Institute For Energy Research in Karlsruhe, Germany), the coordinator of the project, will present the new COSMHYC compression solution and project's results. Project partners NEL Hydrogen, MAHYTEC and LBST will provide more details on the compressor prototypes and their techno-economic features.

FCH JU, Pietro Caloprisco	H2 compression: What is at stake?
EIFER, David Colomar	COSMHYC compression solution and project results
NEL, Mikael Sloth	Optimized mechanical compressor prototype
MAHYTEC, Jean-Michel Tisserand MAHYTEC, Mathilde Bangoura EIFER, Rami Chahroui	Building up a metal hydride compressor prototype
LBST, Jan Zerhusen	Techno-economic assessment

The participation is free but requires **registration**:

▶ <https://register.gotowebinar.com/register/3009213104714825230>

Private B2B meetings, Thursday, 25th of February 2021, 14:00-16:00 (CET)

Registering for the COSMHYC final event, participants can book 15 minutes slots with individual project partners. These one-on-one calls will provide the opportunity to discuss technical or economical details of the COSMHYC solution.

For more information on the project, visit www.cosmhytc.eu



**FUEL CELLS AND HYDROGEN
JOINT UNDERTAKING**



ludwig bölkow
systemtechnik



STEINBEIS
2i



MAHYTEC



COSMHYC project has received funding from the Fuel Cells and Hydrogen 2 Joint Undertaking under grant agreement No 736122. This Joint Undertaking receives support from the European Union's Horizon 2020 research and innovation program and Hydrogen Europe and N.ERGHY.

